LFEV Status Letter
Week 10 - 4/05/15
LFEV

Team Milestones

VSCADA:
CAN demonstration with VAB-820 computer. CAN simulation demonstrated. Client-server demonstrated. JGB sent to fabrication.

DYNO:
Last week the milestones for the Dyno team were verify the dyno sensors and generate the torque and rpm charts. These were missed due to the dyno not yet be operating. It will be operating this week.

Next week the milestones are to draft the ATR and submit the QA Audit Report.

<table>
<thead>
<tr>
<th>Task</th>
<th>Member</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft D006: ATR</td>
<td>Steve</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Generate torque and RPM charts</td>
<td>Alex</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Implement dyno settings for realistic test conditions</td>
<td>John</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Develop simulations of realistic scenarios</td>
<td>Brendan</td>
<td>Incomplete</td>
</tr>
<tr>
<td>Verify dynamometer sensors</td>
<td>Nate</td>
<td>Incomplete</td>
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TSV:
Last Week, the BoB schematic was revamped to reflect the use of the new AT90CAN microcontroller. Also after some difficulties with DxDesigner and PADS, the schematic was remade in KiCad. Additionally, AMS boards were soldered, the first completed ones should be ready shortly.

Next Week, the BoB routing and ordering will take place. We will be adapting code for our new microcontroller, and the AMS soldering will conclude. We will return the obsolete computers.

GLV:

LAST WEEK
GLV Power: Most of the GLV Power supplies were received. Final parts for the system were ordered. GLV Drawings developed
Safety Circuit: Ordered replacement parts for incorrect relays purchased.
TSI: Precharge circuit simulated on breadboard. PCB layout for precharge circuit.
GLV Hub: Drawings completed
VCI: TSAL Circuit simulated on breadboard. PCB Completed and Approved

**NEXT WEEK**
GLV Power: QA Test new parts. Basic system assembly
TSI: Box Drawings. PCB Sent for printing
Side Panel: Assembly
VCI: Box Drawings. PCB Sent for printing

**Budget:**

**Money Spent**

<table>
<thead>
<tr>
<th>Team</th>
<th>Money Spent</th>
<th>Money Remaining</th>
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</thead>
<tbody>
<tr>
<td>SCADA</td>
<td>$814</td>
<td>-$98.86</td>
</tr>
<tr>
<td>GLV</td>
<td>$740.21</td>
<td>$657.69</td>
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<tr>
<td>DYNO</td>
<td>$544.88</td>
<td>-$396.88</td>
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<tr>
<td>TSV</td>
<td>$2,479.86</td>
<td>$259.24</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$4,579</strong></td>
<td><strong>$421</strong></td>
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</table>

**Other Budget Notes:**
Most shipping expenses have not been added in yet. Therefore, real money remaining is probably around $275.

Are we return the computers bought by TSV? This would add about $600 to budget.

How much money did SCADA spend on the JGB’s? This was not ordered through an official purchase form so money has not been included. If this was around $250, then we are right at the budget limit unless TSV can return the computers.

**Action Items:**
1. Upload Video/Pictures to the drive at ECE 492 Shared / Management / Videos/Pictures
2. Conference Team
3. Website Long Term/Update
4. CDR Updates